

ISOTOPIIC METAL & GAS



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Isotopic Gases

Name	Description	Catalog NO
Acetylene-13C2	99 atom % 13C	61,752-0
Acetylene-d2	99 atom % D	61,383-5
Ammonia-d3	99 atom % D	42,297-5
Ammonia-15N	98 atom % 15N	29,922-7
Boron-10Btrifluoride	95 atom % 10B	60,135-7
Butane-1-13C	99 atom % 13C	48,832-1
Butane-1,4-13C2	99 atom % 13C	48,831-3
Butane-13C4	99 atom % 13C	60,336-8
Butane-1,1,1-d3	98 atom % D	58,838-5
Butane-1,1,1,4,4,4-d6	98 atom % D	48,830-5
Butane-d10	98 atom % D	48,834-8
1-Butene-1-13C	99 atom % 13C	60,333-3
Carbon-13C dioxide	99 atom % 13C;	36,459-2
Carbon-13C Dioxide-17O2	99 atom % 13C; 60 atom % 17O	60,718-5
Carbon-13C dioxide-18O2	99 atom % 13C; 97 atom % 18O	60,722-3
Carbon dioxide-18O2	97 atom % 18O	60,971-4
Carbon dioxide-17O2	60 atom % 17O	60,964-1
Carbon-13C monoxide	99 atom % 13C	38,850-5
Carbon-13C monoxide-18O	99 atom % 13C; 99 atom % 18O	65,500-7
Carbon monoxide-17O	45 atom % 17O	61,757-1
Carbon monoxide-18O	95 atom % 18O,	60,970-6

Continued

Isotopic Gases

Name	Description	Cat NO
Deuterium	99.8 atom % D	36,186-0
Deuterium	99.96 atom % D	36,840-7
Ethane-d1	98 atom % D	48,923-9
Ethane-1,1,2,2-d4	99 atom % D	48,562-4
Ethane-13C1	99 atom % 13C	49,255-8
Ethane-13C2	99 atom % 13C	48,922-0
Ethane-d5	99 atom % D	48,924-7
Ethane-d6	99 atom % D	48,925-5
Ethylene-d1	98 atom % D	61,463-7
Ethylene-13C1	99 atom % 13C	48,934-4
Ethylene-13C2	99 atom % 13C	48,935-2
Ethylene-d3	98 atom % D,	58,690-0
Ethylene-d4	99 atom % D	42,285-1
Methane-13C	99 atom % 13C	49,022-9
Methane-13C,d4	99 atom % 13C; 99 atom % D	49,300-7
Methane-d2	98 atom % D	48,684-1
Methane-d3,	98 atom % D	48,686-8
Methane-d4	99 atom % D	61,388-6
Nitrogen-15N2	98 atom % 15N	36,458-4
Oxygen-18O2	97 atom % 18O	49,047-4
Oxygen-17O	90 atom % 17O	60,284-1

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Isotopic Gases

Name	Description	Cat NO
Propane-1,1,1,2,3,3,3-d7	98 atom % D	36,186-0
Propane-1,1,1,3,3,3-d6	98 atom % D	49,059-8
Propane-1-13C	99 atom % 13C	49,330-9
Propane-13C3	99 atom % 13C	58,631-5
Propane-2,2-d2	98 atom % D	49,331-7
Propane-d8	99 atom % D	49,060-1
Propene-2-13C	99 atom % 13C	48,701-5
Propene-13C3	99 atom % 13C	57,006-0
Propene-d6	99 atom % D	45,568-7
Propyne-3-13C	99 atom % 13C	60,334-1
Propyne-3,3,3-d3	99 atom % D	61,385-1
Silane-d4, research grade	98 atom % D,	61,391-6
Trimethylamine-15N	98 atom % 15N	49,094-6
Trimethyl-d9-amine	99 atom % D	48,622-1
Vinyl-13C2 Bromide	99 atom % 13C	59,095-9
Vinyl-d3 bromide	98 atom % D	49,350-3
Vinyl chloride-d3	98 atom % D	61,505-6

Isotopic Metals

Isotec offers an extensive inventory of isotopically labeled metals which consists of a variety of compounds, forms, isotopes and enrichments of available metals. The enrichments vary per lot, therefore the exact enrichment needs to be determined at the time the order is placed.

CatalogNo.	Isotope	Form	Atom %	CatalogNo.	Isotope	Form	Atom %
Barium (钡)							
77-021-01-2	130Ba	C	37	77-081-01-6	40Ca	C	99
77-004-01-8	132Ba	C	21	77-082-01-4	42Ca	C	92
77-005-01-5	134Ba	C	73	77-083-01-2	43Ca	C	70
77-006-01-3	135Ba	C	92	77-084-01-0	44Ca	C	97
77-007-01-1	136Ba	C	92	77-085-01-7	46Ca	C	30
77-008-01-9	137Ba	C	82	77-086-01-5	48Ca	C	90
77-009-01-7	138Ba	C	97	Chromium (铬)			
Cadmium (镉)							
77-061-01-8	106Cd	M	79	77-121-01-0	50Cr	M	94
77-061-02-6	106Cd	O	79	77-122-01-8	50Cr	O	94
77-062-01-6	108Cd	M	69	77-123-01-6	52Cr	M	99
77-063-01-4	110Cd	M	96	77-124-01-4	52Cr	O	99
77-064-01-2	111Cd	M	95	77-125-01-1	53Cr	M	95
77-064-02-0	111Cd	Cl	95	77-126-01-9	53Cr	O	95
77-065-01-9	112Cd	M	97	77-127-01-7	54Cr	M	94
77-065-02-7	112Cd	O	97	77-128-01-5	54Cr	O	94
77-066-01-7	113Cd	M	95	Copper (铜)			
77-066-02-5	113Cd	Cl	95	77-141-01-8	63Cu	M	99
77-066-03-3	113Cd	O	95	77-142-01-6	63Cu	O	99
77-067-01-5	114Cd	O	99	77-143-01-4	65Cu	M	99
77-067-11-4	114Cd	M	99	77-144-01-2	65Cu	O	99
77-067-12-2	114Cd	Cl	99				
77-068-01-3	116Cd	O	93				

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Isotopic Metals

CatalogNo.	Isotope	Form	Atom %	CatalogNo.	Isotope	Form	Atom %
Erbium (铒)							
77-181-01-4	162Er	O	27	77-262-01-2	70Ge	M	91
77-182-01-2	164Er	O	65	77-261-01-4	70Ge	O	91
77-184-01-8	166Er	O	96	77-264-01-8	72Ge	M	95
77-185-01-5	167Er	O	91	77-263-01-0	72Ge	O	95
77-186-01-3	168Er	O	98	77-266-01-3	73Ge	M	91
77-187-01-1	170Er	O	96	77-265-01-5	73Ge	O	91
Europium (铕)							
77-201-01-0	151Eu	O	97	77-268-01-9	74Ge	M	95
77-202-01-8	153Eu	O	98	77-267-01-1	74Ge	O	95
				77-269-01-7	76Ge	M	91
				77-271-01-3	76Ge	O	91
Gadolinium (钆)							
77-221-01-8	152Gd	O	41	Iron (铁)			
77-222-01-6	154Gd	O	65	77-342-01-2	54Fe	M	95
77-223-01-4	155Gd	O	90	77-341-01-4	54Fe	O	95
77-225-01-9	156Gd	O	93	77-344-01-8	56Fe	M	99
77-228-01-3	157Gd	O	88	77-343-01-0	56Fe	O	99
77-231-01-7	158Gd	O	92	77-346-01-3	57Fe	M	90
77-233-01-3	160Gd	O	98	77-345-01-5	57Fe	O	90
Gallium (镓)							
77-242-01-4	69Ga	M	99	77-348-01-9	58Fe	M	81
77-241-01-6	69Ga	O	99	77-347-01-1	58Fe	O	81
77-244-01-0	71Ga	M	99				
77-243-01-2	71Ga	O	99				

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Isotopic Metals

CatalogNo.	Isotope	Form	Atom %	CatalogNo.	Isotope	Form	Atom %
Lead (鉛)							
77-381-01-0	204Pb	M	70	77-601-01-1	39K	Cl	99
77-385-01-1	204Pb	C	70	77-602-01-9	40K	Cl	3
77-382-01-8	206Pb	M	99	77-603-01-7	41K	Cl	98
77-383-01-6	207Pb	M	92	Rubidium (鉷)			
77-384-01-4	208Pb	M	98	77-641-01-7	85Rb	Cl	99
Magnesium (鎂)							
77-421-02-2	24Mg	M	99	77-642-01-5	87Rb	Cl	97
77-421-01-4	24Mg	O	99	Selenium (硒)			
77-421-04-8	25Mg	M	97	77-701-01-9	74Se	E	56
77-422-01-2	25Mg	O	97	77-703-01-5	76Se	E	96
77-421-03-0	26Mg	M	99	77-704-01-3	77Se	E	91
77-423-01-0	26Mg	O	99	77-705-01-0	78Se	E	97
Mercury (汞)							
77-461-01-0	196Hg	M	30	77-706-01-8	80Se	E	99
77-462-01-8	198Hg	M	85	77-707-01-6	82Se	E	96
77-463-01-6	198Hg	O	85	Silicon (矽)			
77-464-01-4	199Hg	M	91	77-721-01-7	28Si	O	99
77-465-01-1	199Hg	O	91	77-722-01-5	29Si	O	92
77-466-01-9	200Hg	M	92	77-723-01-3	30Si	O	90
77-467-01-7	200Hg	O	92	Silver (銀)			
77-468-01-5	201Hg	M	91	77-741-01-5	107Ag	M	98
77-469-01-3	201Hg	O	91	77-742-01-3	109Ag	M	98
77-471-01-9	202Hg	M	96				
77-472-01-7	202Hg	O	96				
77-473-01-5	204Hg	M	90				
77-474-01-3	204Hg	O	90				

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Isotopic Metals

CatalogNo.	Isotope	Form	Atom %	CatalogNo.	Isotope	Form	Atom %
Sulfur (硫)				Ytterbium (镱)			
79-201-00-2	32S	E	99	77-921-01-3	168Yb	O	24
79-200-33-3	33S	E	88	77-922-01-1	170Yb	O	64
79-300-34-9	34S	E	90	77-923-01-9	171Yb	O	88
79-340-34-5	34S	E	99.5	77-924-01-7	172Yb	O	92
79-400-01-6	36S	E	3.5	77-926-01-2	173Yb	O	89
Tin (锡)				77-928-01-8	174Yb	O	96
77-841-01-3	112Sn	M	68	77-931-01-2	176Yb	O	96
77-841-11-2	112Sn	O	68	Zinc (锌)			
77-844-01-7	114Sn	M	60	77-942-01-9	64Zn	M	98
77-843-01-9	114Sn	O	60	77-941-01-1	64Zn	O	98
77-846-01-2	115Sn	M	25	77-944-01-5	66Zn	M	98
77-845-01-4	115Sn	O	25	77-943-01-7	66Zn	O	98
77-848-01-8	116Sn	M	95	77-945-01-2	67Zn	M	93
77-847-01-0	116Sn	O	95	77-946-01-0	67Zn	O	93
77-849-01-6	117Sn	M	84	77-948-01-6	68Zn	M	99
77-849-11-5	117Sn	O	84	77-947-01-8	68Zn	O	99
77-851-01-2	118Sn	M	96	77-949-01-4	70Zn	M	85
77-850-01-4	118Sn	O	96	77-951-01-0	70Zn	O	85
77-853-01-8	119Sn	M	84				
77-852-01-0	119Sn	O	84	Metal Key:			
77-855-01-3	120Sn	M	98	M	Metallic		
77-854-01-6	120Sn	O	98	O	Oxide (氧化物)		
77-856-01-1	122Sn	M	92	E	Element (单质)		
77-857-01-9	122Sn	O	92	C	Carbonate (碳酸盐)		
77-858-01-7	124Sn	M	96	Cl	Chloride (氯化物)		
77-859-01-5	124Sn	O	96				